

# **INDESIT FREESTANDING FRIDGE FREEZERS**

<b>Models Covered</b>	<b>Comm. Code</b>
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<b>CA55UK</b>	<b>69937</b>
<b>CA55KUK</b>	<b>74471</b>
<b>CA55SUK</b>	<b>75733</b>

**Energy Band A+ Models**

<b>CAA55UK</b>	<b>77736</b>
<b>CAA55KUK</b>	<b>77739</b>
<b>CAA55SUK</b>	<b>77740</b>
<b>NCAA55UK</b>	<b>77735</b>

## ***Service Information***

## HEALTH AND SAFETY

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**For the servicing of refrigeration products, containing Isobutane R600a refrigerant. These instructions are in addition to any other Company procedures already published.**

**Published primarily for Indesit Company engineers working in the UK or Southern Ireland, for which these instructions are MANDATORY.**

1. Only engineers who have been trained on the safe handling of Isobutane R600a refrigerant are authorised to transport, store or carry out system repairs.
2. This manual is not intended as a comprehensive repair/maintenance guide to the appliance.
3. Must only be used by suitably qualified persons having technical competence, applicable product knowledge, suitable tools and test equipment.
4. Servicing of electrical appliances must be undertaken with the appliance disconnected (unplugged from the electrical supply).
5. Servicing must be preceded by earth continuity and insulation checks, plus refrigerant leak detection.
6. Personal safety precautions must be taken to protect against accidents caused by sharp edges on metal and plastic parts.
7. After servicing, the appliance must be rechecked for electrical safety.
8. Smoking, naked flames, or operating gas and/or electrical equipment (including cordless power tools) are forbidden within the storage area, working area and vehicles used to transport Isobutane.
9. The carrying case for the scales and refrigerant must display a red flammability label Part Number 8100063 that should be visible and readable at all times.
10. The vehicle and storage area must be ventilated as far as is reasonably practicable and the aluminium case kept out of direct sunlight. The storage temperature of Isobutane should not exceed 50°C.
11. The vehicle transporting Isobutane (R600a) refrigerant must display a Red Flammable Gas warning sticker (Part No. C00247960 [(8100063)]).
12. Engineers should not wear clothes that are liable to cause static discharge ('electrostatic sparking').
13. Avoid working in small rooms.
14. Do not work in cellars.
15. Whenever possible move the appliance into a larger open area away from possible ignition sources.
16. Request the customer to turn off all other electrical and gas appliances in the near vicinity of the repair and note that it is done.  
Customers should be advised to restrict activity within the near vicinity for a short time.
17. Isobutane refrigerant must be vented to atmosphere, (outside of the premises e.g. via open window through the clear plastic hose supplied).
18. Isobutane is heavier than air and must not be vented within 3 metres of the following: sewer cover, cellar, drain or any similar construction lower than ground level, boiler air inlet/outlet, or near any possible source of ignition.

continued...

### HEALTH AND SAFETY

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19. Working with a naked flame i.e. soldering or brazing is forbidden. Unless otherwise stated, pipework connections must only be made using the Lokring coupling system.
20. Electronic leak detectors with high voltage tips must NOT be used with any Isobutane (R600a).
21. All equipment used for this activity must be checked regularly and maintained in a safe working condition; parts must be replaced as required.

#### Information Regarding Isobutane Canisters

1. The maximum quantity of Isobutane an engineer should hold or store at any one time is two 1kg net aluminium canisters, supplied individually as Part No. C00218421 (2602600).
2. Canisters must be stored inside the aluminium case with the weighing scales for protection from possible damage and heat. The aluminium case must NEVER be placed next to a heat source or in direct sunlight.
3. Isobutane must only be dispensed to the appliance from the 1kg net aluminium canister placed in an upright position on the weighing scales provided.
4. All used canisters must be returned as scrap and therefore, left out for the driver to collect and return for disposal.
5. Canisters must not be punctured or the internal valve damaged.
6. Before storing the canister it must have the extraction tap valve removed and the internal valve of the canister checked for leakage using leak detector (Leak Detector: Part No. C00222861 (5700043)).
7. All used canisters and those found to be leaking should be exhausted to atmosphere to ensure they are emptied completely. Refer to the following paragraph.
8. Refit the extraction tap if necessary, open the tap and then invert the canister.  
This must be done outside in open air away from buildings and ignition sources and complying with Item 18 on previous page.

#### SAFETY PRECAUTION - Console Panel Removal

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Be aware that removal of the Console Panel / Facia above the fridge door will also release the hinge pivot securing the door.

All food, drink and furniture must be removed from the door before proceeding.

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## SERIAL NUMBER / INDUSTRIAL CODE FORMAT

Mod. ....	TI	Cod. 93139180000	S/N 704211801
220 - 240 V-	50 Hz	13 W	Max 15
Total 340	75	Freez. Capac	Class
Gross Bruto Brut	Gross Bruto Brut	Net Util Utile	Gross Bruto Brut
Compr. Syst.	R 134 a	Test Pressure HIGH-235	P.S.-I. LOW 140
Kompr.	kg 0,090		
Made in	---	13918	

*Example*

### 1 Industrial Code:

93 13918 0000

**0000 original production**

Other numbers denote major production changes

**Commercial Code\***

\*Vital for correct model information and system identification

**Factory of origin**

### 2 Serial Number:

7 04 21 1801

**Build number that day**, e.g. 1801<sup>th</sup> built

**Day of manufacture**, e.g. 21<sup>st</sup> of month

**Month of manufacture**, e.g. April

**Year of manufacture**, e.g. 2007

## INTRODUCTION

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### STATIC LARDER FRIDGES

These models are two door 50/50 split freestanding fridge freezers. Model CA55UK was introduced during May 2010, manufactured by Indesit Company in Turkey. Model CA55KUK in black was introduced during July 2011 and model CA55SUK in silver was introduced during November 2010.

Models CAA55UK and CAA55KUK were introduced during February 2012. Model NCAA55UK was introduced during March 2012 and model CAA55SUK was introduced in May 2012.

The climate class for the A energy rated models is N, SN, signifying that they are designed to operate in ambient temperatures between +10°C to +32°C. For the A+ energy rated models it is T, signifying that they are designed to operate in ambient temperatures between +10°C to +43°C. As with many refrigeration appliances, it is important that it is installed and operated within the recommended ambient temperature range and that there is adequate ventilation.

The interior of the fridge has two glass shelves, one vegetable glass cover and two vegetable bins. The door has one removable bottle rack, two removable full width commodity racks and one egg tray (not fitted to model NCAA55UK).

The freezer has four drawers and two ice trays - all models except NCAA55UK which has two flaps, one drawer and one ice tray.

This appliance is a single compressor fridge freezer combination produced with the fridge evaporator and defrost heater foamed in behind the fridge liner. Whilst the compressor is cycling the rear wall of the fridge will be frosted, similarly it will be wet following compressor switch off. This is known as 'Wet Wall Design'. The control box is located inside the top right side of the fridge compartment. The control box contains the thermostat, switch for the interior light, and a Low Ambient / Fast Freeze switch. The capillary phial of the thermostat is located in a plastic tube foamed into the insulation from the control box to the evaporator.

Defrost is automatic in the fridge and manual in the freezer. The fridge gutter drain hole can be cleared of any debris using the plastic drain cleaning rod (supplied with the appliance when new).

It is recommended not to store the drain hole cleaner in the gutter drain hole as this could restrict the flow of water.

The model has two feet at the front, only one is adjustable and rear supports moulded as part of the base.

Doors are reversible, see Page 11.

### ANTI- BACTERIA (Hygiene Control)

This model has an anti-bacteria (hygiene control) - built in protection for life. Food safety is becoming increasingly important to consumers with more and more reported cases of food poisoning.

The hygiene control is built into the plastic of the fridge interior during manufacture so it cannot wash or wear out. It provides permanent protection against bacteria as it reduces on contact the spread of food poisoning bacteria, which can cause contamination and odour. It gives extra hygiene reassurance as it kills or inhibits the growth of any bacteria, which may come into contact with the interior surfaces of the fridge. The anti-bacteria protection is approved safe for the use in food contact applications by the European Scientific Committee for Food and has proven safe over many in personal care and household cleaning products.

## SPECIFICATIONS

### Model Number

Model	Colour	Commercial Code	Introduction Date
CA55UK	White	69937	May 2010
CA55SUK	Silver	75733	Nov. 2010
CA55KUK	Black	74471	July 2011
NCAA55UK	White	77735	March 2012
CAA55UK	White	77736	Feb. 2012
CAA55KUK	Black	77739	Feb. 2012
CAA55SUK	Silver	77740	May 2012

### Dimensions

#### CA55 & CAA55

#### NCAA55

	Unpacked	Packed	Packed	Unpacked
Height	1740 mm	1780 mm	1570 mm	1780 mm
Width	545 mm	590 mm	550 mm	590 mm
Depth	580 mm	650 mm	540 mm	650 mm
Weight	58 kg	60 kg	58 kg	60 kg

### Country of Origin

Turkey

### Capacities

	Fridge	Freezer	Fridge	Freezer
Gross	155 litres	105 litres	155 litres	73 litres
Net	150 litres	85 litres	150 litres	67 litres

### Freezing Capacity

6.0 kg - CA55 Models EU 1998 or Other Dedicated  
 2.0 kg - CA55 & NCAA55 Models 2011 Regulation  
 3.0 kg - CAA55 Models 2011 Regulation

### Climate Class

N - SN - ST = +10°C to 32°C - CA55 Models  
 SN - N - ST - T = +10°C to 43°C - CAA55 & NCAA55 Models

### Operating Voltage

220/240 V - All Models

### Lamp

15W - All Models

### Frequency

50 Hz - All Models

### Energy Consumption - CA55 Models EU 1998 or Other Dedicated

kWh/year	307
kWh/24 Hours	0.84
Energy Band	A

### Energy Consumption - CA55 Models 2011 Regulation

kWh/year	321
kWh/24 Hours	0.879
Energy Band	A

## Energy Consumption - 2011 Regulation

	<b>CAA55</b>	<b>NCAA55</b>
kWh/year	268	253
kWh/24 Hours	0.73	69
Energy Band	A+	A+

## Conservation Time - CA55 Models EU 1998 or Other Dedicated

17 hours

## Conservation Time - CA55 Models 2011 Regulation

14 hours

## Conservation Time - 2011 Regulation

<b>CAA55</b>	<b>NCAA55</b>
13 hours	17 hours

## Defrosting

Fridge	Automatic
Freezer	Manual

## Compressor

<b>Manufacturer</b>	<b>ACC - CA55</b>	<b>ACC - CAA55 &amp; NCAA55</b>
Type I/D	HMK95AA	HKK95AA3

## Winding Resistances:

Run	20.3 ( $\Omega$ )	19.7 ( $\Omega$ )
Start	25.3 ( $\Omega$ )	10.6 ( $\Omega$ )

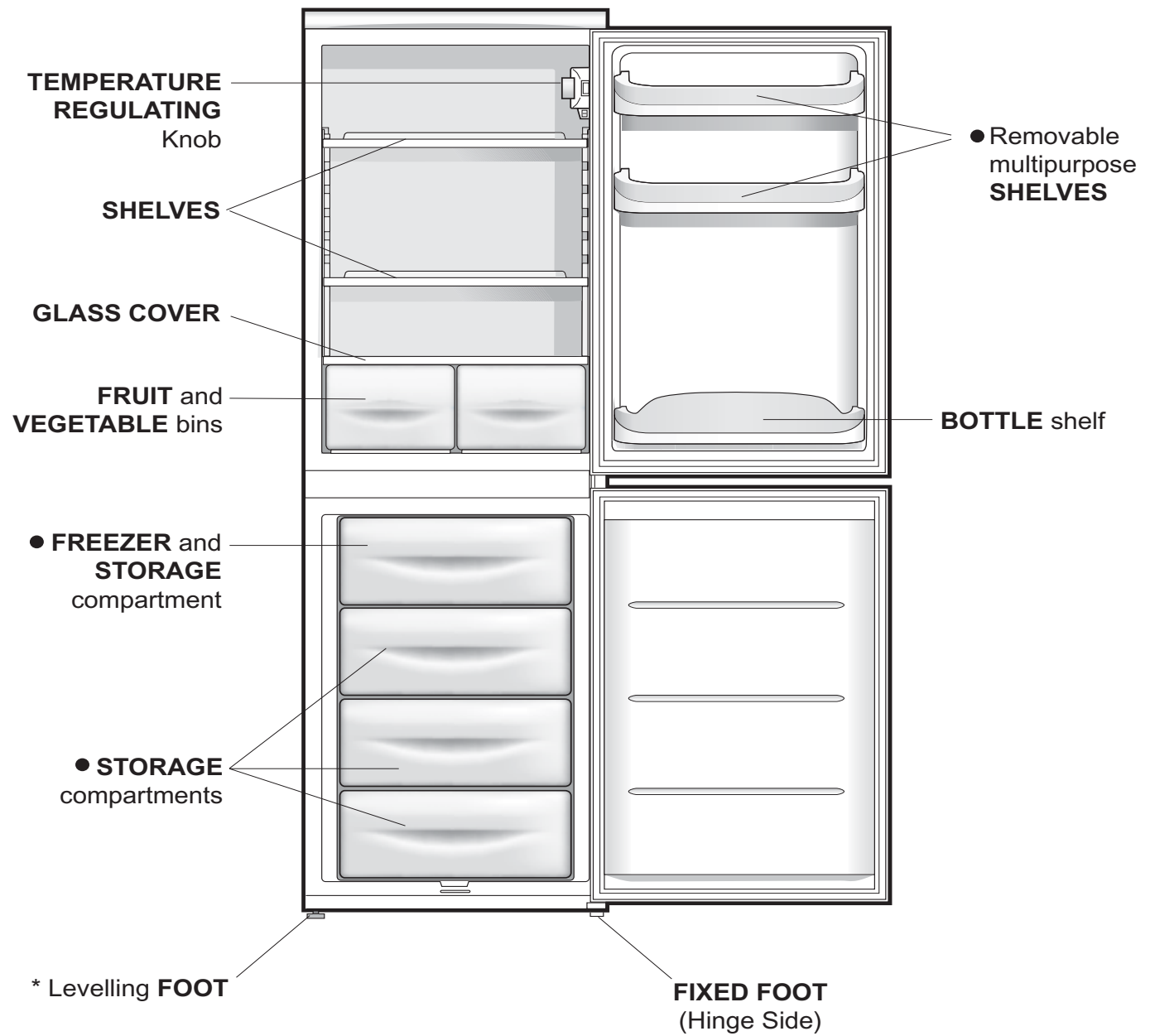
## Capacitor

Refer to parts list

## Refrigerant R600a (Grams)

Refer to the Rating Plate

## DETAILED VIEW



• Varies by number and / or position

\* There is only one adjustable foot



## COMPONENT DETAILS

### Fast Freeze / Low Ambient Switch

This switch is mounted in the control box below the thermostat knob (see Fig. 1).

Pressing '1' enables the switch to the 'ON' position.

Pressing '0' enables the switch to the 'OFF' position.

The switch has two functions:

#### 1. Fast Freeze

The Low Ambient / Fast Freeze switch, when selected activates the fridge evaporator heater. When activated the heater warms the evaporator and thermostat phial, causing the thermostat contacts to stay closed for longer periods. The effect is to increase compressor run time, maintaining freezer temperatures.

**NOTE:** The Low Ambient / Fast Freeze switch must be selected when freezing fresh food. The use of the Low Ambient / Fast Freeze switch may encourage excessive ice to form on the fridge evaporator. This is normal while the switch is in the 'ON' position, once the switch is returned to the 'OFF' position it is recommended to defrost the excessive ice from the wet wall manually if the automatic defrost cycle fails to remove it.

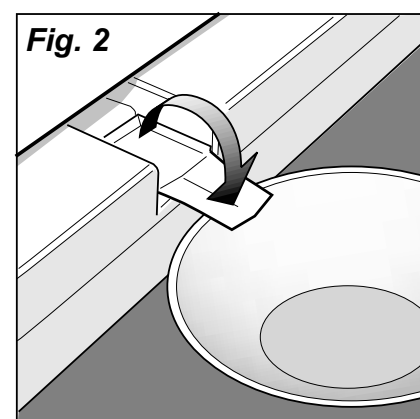
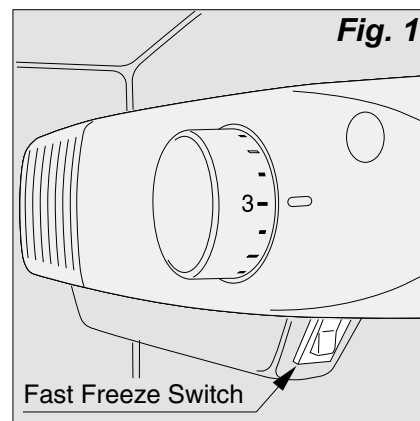
#### 2. Low Ambient

If the appliance is positioned where the ambient temperature is below +14°C for prolonged periods, the Low Ambient / Fast Freeze switch should be selected. This will then ensure that freezer temperature remains colder than -18°C.

### Freezer Manual Defrost

If the frost layer is greater than 5 mm, it will be necessary to defrost manually.

The unit is provided with a system which allows the defrost water to be collected in a suitable vessel placed beneath the drain outlet at the front (see Fig. 2).



## SERVICING & DISMANTLING INSTRUCTIONS

### Important Notes for Guidance:

Before commencing any work refer to the Safety Notes and Safety Precaution at the beginning of this manual.

### Caution:

**When carrying out the following procedures care must be taken to protect the appliance and customers property, especially if the appliance is moved or laid down. Where it is necessary to lay the appliance down, it must be cleared of food and furniture. It must not be tilted or supported against a wall or similar structure.**

**The Grip Mat, Part Number C00222890 (5700072), must always be used as directed when laying an appliance on its back to reduce appliance movement.**

### A. Freezer Door

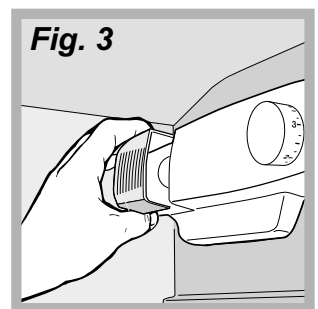
1. Lay down the appliance on its back.
2. Unscrew, remove and retain the bottom hinge.
3. Slightly open the freezer door and slide downwards to remove.

### B. Fridge Door

1. Remove the freezer door as in A1 to A3.
2. Remove centre hinge and spacer if fitted. Slightly open the fridge door and slide downwards to remove.

### C. Lamp

1. Squeeze to unclip the lamp cover located at the rear of the controls box (see Fig. 3).
2. Unscrew and remove lamp; the replacement lamp must be of the same rating as the power range indicated on the cover.



### D. Thermostat Control Box

1. Remove the blanking cap (where applicable) and the fixing screw (located in front of the thermostat control knob).
2. Slide the control box forward to disengage from locating post.
3. Disconnect the lamp wiring.
4. Disconnect the thermostat wiring.

### E. Thermostat

1. Remove the thermostat control box as in D1, D2 and D4.
2. Release the thermostat fixing nut and remove the thermostat from the control box.
3. Withdraw the thermostat phial from the phial ducting.

### F. Console Facia Panel

1. Remove the freezer door as in A1 and A3.
2. Remove the fridge door as in B1 and B2.
3. Remove the two screws securing the console panel to the cabinet. Do not remove the upper hinge pin.
4. Pull the console panel forward and remove.

### G. Door Reversal - Refer to Page 11

### H. Door Seal Replacement - Refer to Page 12

## DOOR REVERSAL

### Important Notes for Guidance:

Before commencing any work refer to the Safety Notes at the beginning of this manual.  
Read the instructions below fully and refer to the diagrams before carrying out the door reversal.

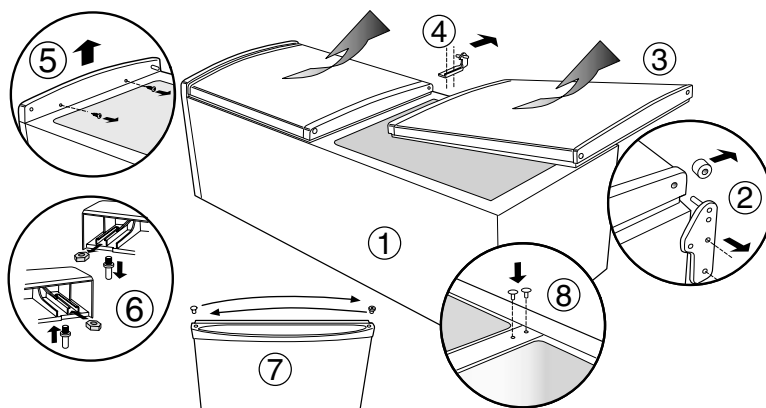
### Caution:

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Before laying the appliance down, it must be cleared of food and furniture.  
It must not be tilted or supported against a wall or similar structure.

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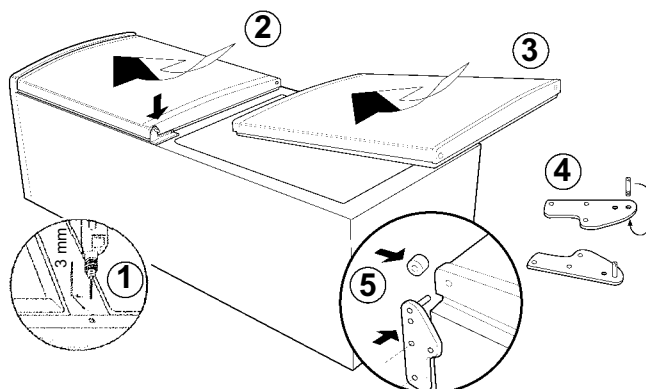
### Removing the Doors

1. Lay the appliance on its back.
2. Unscrew, remove and retain the bottom hinge.
3. Slightly open the bottom door and slide downwards, remove and carefully place to one side.
4. Remove the centre hinge and spacer if fitted. Slightly open the top door and slide downwards, remove and carefully place to one side.
5. Unscrew and remove the top front cover from the cabinet.
6. Unscrew and remove the hinge pin and the bolt from the top right hand and refit into the hole in the left hand side. Refit the top front cover.
7. Use a thin blunt instrument to remove the top and bottom hinge bushes and blanking plugs from the doors, taking care not to mark the door handle. Reposition the blanking plugs and bushes on the opposite side.
8. Fit the blanking plugs provided with the appliance into the right hand two centre holes.



### Replacing the Doors

1. If the holes are not present on the left hand side for the centre hinge, carefully position and drill two 3 mm pilot holes guided by the indented markings on the centre transom. Ensure that the drill bit does not run too deeply into the appliance.
2. Slide the top door upwards and locate the top hinge into the door bush. Reposition the centre hinge on the opposite side.
3. Carefully slide the bottom door upwards into the centre hinge pin.
4. Unscrew the bottom hinge pin and refit it on the opposite side.
5. Fit the bottom hinge making sure that the door is aligned to the cabinet.
6. Carefully stand the appliance upright in its required location and make sure it is sitting level on the floor. Open and close the doors checking that the gasket makes a good seal without any gaps when the doors are closed.



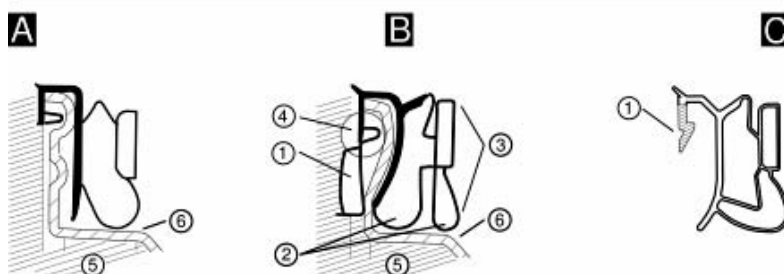
**Note:** Replace loose items/fittings back into the appliance and leave for at least 15 minutes before switching back on.

## DOOR SEAL REPLACEMENT

Various types of door seal are used for production and as replacements. See Figs. A, B and C showing seal profiles. Note also the liner profiles A5, A6 and B5, B6 below.

Door seals as Fig. A, are retained by the liner which has 2 screws securing each corner.

Door seals as illustrated in Fig. B are not available as a spare part, but the seal as shown in Fig. C is supplied as the replacement.

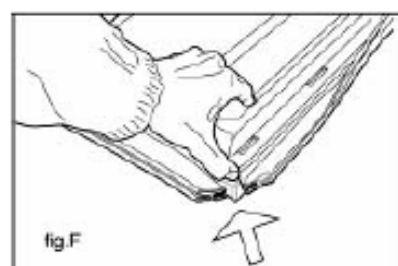
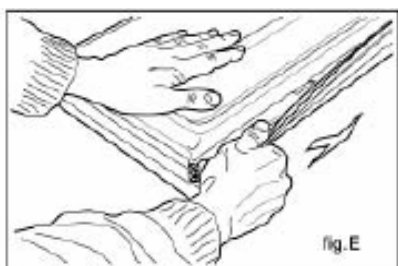
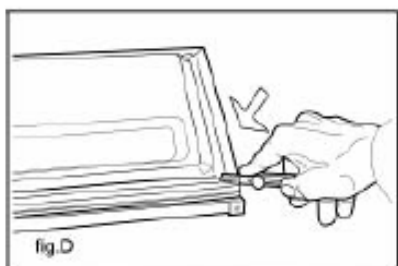


### Removing the old Door Seal - See Figs. D to L. below

1. Remove the freezer door or fridge door and place on a flat protected surface.
2. Cut the seal across each corner (including the rigid tongue section retained by the liner).
3. Each section can then be withdrawn from the liner using snipe nosed pliers and pulling. Where the seal is particularly tight in the liner slot, it might be helpful to ease the edge of the liner away from the door panel using a wide bladed screwdriver or chisel knife Part Number C00222502 (5500012). Similar practice should be adopted when fitting the replacement seal.
4. Once the seal is removed and the liner seal pocket is empty, it can be helpful to insert the chisel knife between the liner / door panel and slide it around the door to clear any debris.

### Fitting the Replacement Seal

1. Insert the replacement door seal rigid tongue between the liner and door panel and push into position, Fig. L1. It may be necessary to insert a chisel knife C00222502 (5500012) between the liner and door panel to get the seal started.



THEORETICAL WIRING DIAGRAM

